

Power System Testing Solutions

COMPANY PROFILE

Solution provider for:

- ROTATING MACHINES TESTING
- POWER AND DISTRIBUTION TRANSFORMERS TESTING
- HV/MV CABLES TESTING
- HV/MV SWITCHGEAR TESTING
- PROTECTION SYSTEM TESTING
- IEC61850 Testing

Table of Contents

| | |
|---|----|
| 1. About us | 3 |
| 2. Our Brands | 4 |
| 3. Products | 5 |
| 3.1 Rotating Machines Testing | 5 |
| 3.2 Transformer Testing | 6 |
| 3.3 Switchgear Testing | 7 |
| 3.4 Instrument Transformer Testing | 8 |
| 3.5 Cables Testing | 9 |
| 3.6 Relays, Meters, Power Quality and Secondary Injection | 10 |
| 3.7 IEC61850 Testing and Cyber Security | 11 |
| 4. Training | 12 |
| 5. Repair and Calibration | 13 |
| 6. Services | 13 |
| 7. Rental | 13 |
| 8. Contact details | 14 |
| 8.1 Dubai | 14 |
| 8.2 Abu Dhabi | 14 |
| 9. Representation Certificate | 15 |

1. About us

Our company **DigiStano** is established to serve the electrical power industry with innovative and advance technology solutions, in addition to providing a professional representation for international high voltage substations solutions manufacturers in UAE market. DigiStano is committed to provide the best and fast track support to customers and thereby help our principals to increase their market share and also bring expert knowledge to the local market.

DigiStano targeted customer segments vary from Utilities such as DEWA, SEWA, TRANSCO, AADC, ADDC, FEWA, to Oil and Gas sector such as ADNOC group, NPCC, Primary and Secondary equipments manufacturers such as SIEMENS, ABB, GE, Schneider Electric, Ducab, Lucy switchgear, Emirates Transformers and contractors such as Danway, EEE, Larsen and Tubro.

DigiStano is managed by a group of experts in the power system field who already have an excellent network in UAE that help in expanding the reach of our solutions.



2. Our Brands

OMICRON is an international company serving the electrical power industry with innovative testing and diagnostic solutions. The application of OMICRON products allows users to assess the condition of the primary and secondary equipment on their systems with complete confidence. Services offered in the area of consulting, commissioning, testing, diagnosis and training make the product range complete.

Customers in more than 150 countries rely on the company's ability to supply leading-edge technology of excellent quality. Service centers on all continents provide a broad base of knowledge and extraordinary customer support. All of this together with a strong network of sales partners is what has made OMICRON a market leader in the electrical power industry.

OMICRON



www.omicronenergy.com

Austria

3. Products

3.1 Rotating Machines Testing

| | CPC 100 | FRANEO | DIRANA | MPD 800 | MONTESTO | MONGEMO | PTM |
|-----------------------------------|---------|--------|--------|---------|----------|---------|-----|
| Contact Resistance Testing | √ | | | | | | √ |
| Pole Drop Testing | √ | | | | | | √ |
| Inter-turn Fault detection | | √ | | | | | √ |
| Dissipation Factor/ Tangent Delta | √* | | | | | | √ |
| Dielectric Response Analysis | | | √ | | | | √ |
| Sweep Frequency Response Analysis | | √ | | | | | √ |
| Stator Core Measurement | √** | | | | | | √ |
| PD Measurement | | | | √ | √ | | |
| Temporary Online PD Monitoring | | | | | √ | | |
| Permanent Online PD Monitoring | | | | | | √ | |

*Requires CPTD12/15 + CP CR 600

**Requires Stator Core Measurement Upgrade



CPC 100



CP TD12/15



CP CR 600



FRANEO 800



MONTESTO 200



MPD 800



PTM



DIRANA



MONGEMO

3.2 Transformer Testing

| | CPC 100 | TESTRANO | FRANEO | DIRANA | MPD 800 | MONTESTO | PTM |
|-----------------------------------|---------|----------|--------|--------|---------|----------|-----|
| Ratio | √ | √ | | | | | √ |
| Winding Resistance | √ | √ | | | | | √ |
| Excitation Current | √ | √ | | | | | √ |
| Dynamic Resistance Measurement | √* | √ | | | | | √ |
| Short-Circuit Impedance | √ | √ | | | | | √ |
| Vector Group | √* | √ | | | | | √ |
| Demagnetizing | √* | √ | | | | | √ |
| Sweep Frequency Response Analysis | | | √ | | | | √ |
| Humidity and Moisture Measurement | | | | √ | | | √ |
| Capacitance & Tangent Delta | √** | √** | | √*** | | | √ |
| PD Measurement | | | | | √ | √ | |
| Online PD Temporary Monitoring | | | | | | √ | |

*Requires CP SB1 **Requires CP TD12/15 ***Test Voltage of 120V



CPC 100



TESTRANO 600



DIRANA



FRANEO 800



MONTESTO 200



MPD 800



PTM



CP TD12/15

3.3 Switchgear Testing

| | CPC 100 | CIBANO | COMPANO | CTANALYZER | VOTANO | MPD 800 | MONTESTO | PTM |
|--------------------------------|---------|--------|---------|------------|--------|---------|----------|-----|
| CB Timing | √* | √ | | | | | | √ |
| CB Contact Resistance | √ | √ | √ | | | | | √ |
| Dynamic Resistance Measurement | | √ | | | | | | √ |
| CB Travel & Motion Analysis | | √ | | | | | | √ |
| CT Testing | √ | | √** | √ | | | | √ |
| VT Testing | √ | | √** | | √ | | | √ |
| PD Measurement | | | | | | √ | √ | |
| Online PD Temporary Monitoring | | | | | | | √ | |

*MV CB – No both sides grounded

**Ratio Test



CPC 100



CIBANO 500



COMPANO 100



CTANALYZER



VOTANO 100



MPD 800



MONTESTO 200



PTM



3.4 Instrument Transformer Testing

| | CPC 100 | CTANALYZER | VOTANO | COMPANO | DIRANA | MPD 800 | MONTESTO | PTM* |
|-----------------------------------|---------|------------|--------|---------|--------|---------|----------|------|
| CT Ratio Test & Polarity | √ | √ | | √ | | | | √ |
| CT Winding Resistance | √ | √ | | | | | | √ |
| CT Excitation Curve | √ | √ | | | | | | √ |
| CT Accuracy Class | √ | √ | | | | | | √ |
| CT Burden Measurement | √ | √ | | √ | | | | √ |
| VT Ratio & Polarity | √ | √ | √ | √ | | | | √ |
| VT Winding Resistance | √ | | √ | | | | | √ |
| VT Excitation Curve | | | √ | | | | √ | |
| VT Accuracy Class | | | √ | | | | √ | |
| VT Burden Measurement | √ | | √ | √ | | | | √ |
| CT/VT Paper Insulation | | | | | √ | | | |
| CT/VT Capacitance & Tangent Delta | √** | | | | √*** | | | √ |
| PD Measurement | | | | | | √ | √ | |
| Temporary PD Monitoring | | | | | | | √ | |

*For CPC 100 **CP TD12/15 required ***Test Voltage of 120V



CPC 100



CTANALYZER



VOTANO 100



COMPANO 100



DIRANA



MPD 800



MONTESTO 200



PTM



3.5 Cables Testing

| | CPC 100 | MPD 800 | MONTESTO 200 | DIRANA | MONCABLO | PTM |
|---------------------------------------|---------|---------|--------------|--------|----------|-----|
| Impedance Measurement | √* | | | | | √ |
| Capacitance and Tangent Delta | √** | | | √*** | | √ |
| Dielectric Response Analysis | | | | √ | | √ |
| PD Measurement | | √ | √ | | | |
| PD Temporary Monitoring | | | √ | | | |
| Permanent Online PD Monitoring | | | | | √ | |

*with CP CU1

**with CP TD12/15

***with 120V Test Voltage



CPC 100



MPD 800



MONTESTO 200



DIRANA



PTM



CP TD12/15



CP CU1



MONCABLO

www.digistano.com

3.6 Relays, Meters, Power Quality and Secondary Injection

| | CMC 356 | CMC 256+ | CMC 430 | CMC 353 | CMC 310 | CMC 850*** |
|----------------------------------|---------|----------|---------|---------|---------|------------|
| Protection Relays Testing | √ | √ | √** | √** | √** | √ |
| PTL Testing | √ | √ | √ | √ | | √ |
| Manual Control | √ | √ | | √ | √ | √ |
| Energy Meter Testing | √ | √ | √ | √ | √ | |
| Transducer Testing | √* | √ | √ | √* | | |
| Power Quality Testing | √ | √ | √ | √ | | √ |
| Analogue Measurement | √* | √ | √ | √* | | |
| GOOSE Testing | √ | √ | √ | √ | √ | √ |
| Sampled Values Testing | √ | √ | √ | √ | √ | √ |
| Network Simulation | √ | √ | √ | √ | | √ |

*ELT-option Required

**Except Differential

***Only Sample Values (IEC61850-9-2)



CMC 256+



CMC 356



CMC 353



CMC 430



CMC 310



CMC 850

3.7 IEC61850 Testing and Cyber Security

| | CMC Device | DANEO 400 | IEDSCOUT | STATIONSCOUT | ISIO 200 | STATIONGUARD |
|-------------------------------|------------|-----------|----------|--------------|----------|--------------|
| GOOSE Testing | √ | √ | √ | √ | √ | |
| Sampled Values Testing | √ | √ | | | | |
| Client/ Server Communications | √ | | √ | √ | | |
| Binary I/O Extension | | | | | √ | |
| Cyber Security | | | | | | √ |



CMC device



DANEO 400



IEDSCOUT



STATIONSCOUT



ISIO 200



STATIONGUARD



4. Training

DigiStano Team of engineers are experienced with substation testing and can share their knowledge with electrical testing teams. The list of courses that we offer currently:

- Protection Systems Testing
- IEC 61850 Testing
- Instrument Transformer Testing (CT/VT)
- Power and Distribution Transformers Testing
- Circuit Breaker Testing (MV/HV)
- Transmission Lines Testing
- HV/MV Cables Testing
- Partial Discharge Measurement

We do offer attendance certification for only attending the training session, in addition we do offer a training Completion Certification which is given based on examination results, this is offered on demand basis.



Attendance Certificate

Over Current Protection Testing with CMC 356

Presented to:

Date: 16th – 18th June 2020

Location: Dubai – United Arab Emirates



Mohammad Al-Fayoumi
Managing Director, DigiStano Electric



Completion Certificate

Over Current Protection Testing with CMC 356

Presented to:

Date: 16th – 18th June 2020

Location: Dubai – United Arab Emirates



Mohammad Al-Fayoumi
Managing Director, DigiStano Electric

PASS



5. Repair and Calibration

We are currently developing a state-of-the-art products service center in UAE to serve the customers with fast track local support for repair and calibration of their test equipments. This service center will provide warranty related services and support which reduces the out of site time for the test equipments

6. Services

Our team of engineers are available to provide onsite testing as per the requirements of the customers, we focus on specialized areas such as:

- Partial Discharge Measurement services
- IEC 61850 testing services
- Specialized Protection Testing services and building automatic testing templates

7. Rental

Full range of equipments with valid calibration certificates are available at very competitive rates for our customers, please contact us for:

- Protection relays test sets
- Transformer Test sets
- Circuit Breaker Test sets
- HV/MV cables Test sets
- Substation Grounding and Step & Touch Voltage Test sets
- Instrument Transformers (CT/VT) Test sets
- Partial Discharge Measurement and Temporary PD Monitoring System

8. Contact details

8.1 Dubai

DIGISTANO ELECTRIC TRADING FZCO

Office 715, 7th floor, SIT Tower

PO Box 341321

Dubai Silicon Oasis

Dubai, United Arab Emirates

Email: sales@digistano.com

Tel: +97143373764

Fax: +971 4 3374196

8.2 Abu Dhabi

DIGISTANO ENERGY TRADING AND SERVICES LLC

Musaffah – Abu Dhabi

Email: sales@digistano.com

9. Representation Certificate


OMICRON

To whom it may concern

9 March 2020

CERTIFICATE OF REPRESENTATION

Whereas **OMICRON electronics GmbH** who is an established and reputable manufacturer of products primarily used by electric utilities and other industries to test component parts of electrical systems having its head office at

Oberes Ried 1
A-6833 Klaus
Austria

do hereby confirm that

DigiStano Electric Trading FZCO
(including its Abu Dhabi branch "DigiStano Energy Trading and Services L.L.C.")
having its head office at


SIT Tower
7th floor, office 715
Dubai Silicon Oasis
Dubai
UAE

is our exclusive Distributor in the United Arab Emirates (including after sales services and support) according to the Distribution Agreement dated February 26, 2019. The Distribution Agreement is valid for an unlimited period of time and may be terminated by either party considering a notice period of three months.

This Certificate is valid until March 31, 2022.

With best regards,

OMICRON electronics GmbH


ppa. Jakob Halder
Financial Officer



OMICRON electronics GmbH
Oberes Ried 1 - A-6833 Klaus
Tel. +43 59495, Fax DW 9999

We like to hear from you.

OMICRON electronics GmbH
Oberes Ried 1 | 6833 Klaus | AUSTRIA
T +43 59495
F +43 59495 9999
info@omicronenergy.com

Company Registration No. FN 342271
Commercial Register Földkirch
VAT ID ATU 35297501

And exchange knowledge.

www.omicronenergy.com

 omicron-electronics

 OMICRONenergy